AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A ~~recording~~ computer-readable medium having a data structure for managing reproduction duration of still images, comprising:

a data area storing presentation data multiplexed into a transport stream, the presentation data being divided into a number of still picture units, each still picture unit including at least one still picture and associated related data, the related data not including audio data;

a navigation area storing at least one playlist and at least one clip information file separately within the navigation area, the playlist including at least one playitem, the playitem indicating at least one of the still picture units to reproduce and providing duration information for display of the still picture in the still picture unit[[.]], and the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

2. (Currently Amended) The ~~recording~~ computer-readable medium of claim 1, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.

3. (Canceled)

4. (Currently Amended) The ~~recording~~ computer-readable medium of claim 1, wherein the presentation data is multiplexed into the transport stream on a still picture unit by still picture unit basis.

5. (Canceled)

6. (Currently Amended) The ~~recording~~ computer-readable medium of claim [[5]]1, wherein the entry point map includes an entry point associated with each still picture unit.

7. (Currently Amended) The ~~recording~~ computer-readable medium of claim 6, wherein

the duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

at least a number of the entry points each include a presentation time stamp associated with the still picture in the associated still picture unit such that, when the duration information indicates to display a still picture for a finite duration, the finite duration is determinable at least in part from the presentation time stamp in the entry point associated with the still picture and the presentation time stamp in the next entry point.

8. (Currently Amended) The ~~recording~~ computer-readable medium of claim 1, wherein each elementary stream of the still picture and associated related data is aligned within the still picture unit.

9. (Currently Amended) The ~~recording~~ computer-readable medium of claim 8, wherein each elementary stream is a packetized elementary stream.

10. (Currently Amended) The ~~recording~~ computer-readable medium of claim 9, wherein each

still picture unit includes one packet from each packetized elementary stream.

11. (Currently Amended) The ~~recording~~ computer-readable medium of claim 10, wherein

the duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

a number of the packets of the packetized elementary stream of still picture data each include a presentation time stamp such that, when the duration information indicates display of the still picture for a finite duration, the finite duration is determinable using the presentation time stamp in the packet of the still picture and a presentation time stamp in a next packet.

12. (Currently Amended) The ~~recording~~ computer-readable medium of claim 1, wherein the duration information indicates whether to display the still picture for one of a finite and an infinite period of time.

13. (Currently Amended) The ~~recording~~ computer-readable medium of claim 1, wherein the data area stores the presentation data in a first clip file, and stores audio data in a second clip file.

14. (Currently Amended) The ~~recording~~ computer-readable medium of claim 13, wherein the playlist further includes at least one sub-playitem, the sub-playitem providing navigation information for reproducing the audio data from the second clip file.

15. (Currently Amended) The ~~recording~~ <u>computer-readable</u> medium of claim 1, wherein each still picture unit includes only one still picture.

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)

27. (Canceled)

28. (Canceled)

29. (Canceled)

30. (Canceled)

31. (Canceled)

32. (Canceled)

33. (Currently Amended) A method of recording a data structure for managing reproduction duration of at least one still image on a recording medium, comprising:

recording presentation data multiplexed into a transport stream in a data area of the recording medium, the presentation data being divided into a number of still picture units, each still picture unit including at least one still picture and associated related data, the related data not including audio data; and

recording at least one playlist and at least one clip information file separately on the recording medium, the playlist including at least one playitem, the playitem indicating at least one of the still picture units to reproduce and providing duration information for display of the still

6

picture in the still picture unit[[.]], and the clip information file includes at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

34. (Currently Amended) A method of reproducing a data structure for managing reproduction duration of at least one still image recorded on a recording medium, comprising:

reproducing presentation data multiplexed into a transport stream from a data area of the recording medium, the presentation data being divided into a number of still picture units, each still picture unit including at least one still picture and associated related data, the related data not including audio data; and

reproducing at least one playlist and at least one clip information file from the recording medium, the playlist including at least one playitem, the playitem indicating at least one of the still picture units to reproduce and providing duration information for display of the still picture in the still picture unit[[.]], and the clip information file includes at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream wherein the playlist and clip information files are stored separately on the computer-readable medium.

35. (Currently Amended) An apparatus for recording a data structure for managing reproduction duration of at least one still image on a recording medium, comprising:

a driver for driving an optical recording device configured to record data on the recording medium;

a controller for controlling the driver configured to control the optical recording device to

7

record presentation data multiplexed into a transport stream in a data area of the recording medium, the presentation data being divided into a number of still picture units, each still picture unit including at least one still picture and associated related data, the related data not including audio data; and the controller ~~controlling the driver~~ <u>configured to control the optical recording device</u> to record at least one playlist <u>and at least one clip information file separately</u> on the recording medium, the playlist including at least one playitem, the playitem indicating at least one of the still picture units to reproduce and providing duration information for display of the still picture in the still picture unit[[.]]<u>, and the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.</u>

36. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction duration of at least one still image recorded on a recording medium, comprising:

~~a driver for driving~~ an optical reproducing device <u>configured</u> to reproduce data recorded on the recording medium;

a controller ~~for controlling the driver~~ <u>configured to control the optical reproducing device</u> to reproduce presentation data multiplexed into a transport stream from a data area of the recording medium, the presentation data being divided into a number of still picture units, each still picture unit including at least one still picture and associated related data, the related data not including audio data; and the controller ~~controlling the driver~~ <u>configured to control the optical reproducing device</u> to reproduce at least one playlist <u>and at least one clip information file</u> from the recording medium, the playlist including at least one playitem, the playitem indicating at least one of the still picture units to reproduce and providing duration information for display of the still picture in the

still picture unit[[.]], and the clip information file includes at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream wherein the playlist and clip information files are stored separately on the computer-readable medium.

37. (New) The method of claim 33, wherein

the entry point map includes an entry point associated with each still picture unit;

the duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

at least a number of the entry points each include a presentation time stamp associated with the still picture in the associated still picture unit such that, when the duration information indicates to display a still picture for a finite duration, the finite duration is determinable at least in part from the presentation time stamp in the entry point associated with the still picture and the presentation time stamp in the next entry point.

38. (New) The method of claim 33, wherein

each elementary stream is a packetized elementary stream;

the duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

a number of the packets of the packetized elementary stream of still picture data each include a presentation time stamp such that, when the duration information indicates display of the still picture for a finite duration, the finite duration is determinable using the presentation time stamp in the packet of the still picture and a presentation time stamp in a next packet.

39. (New) The method of claim 33, wherein

the data area stores the presentation data in a first clip file and stores audio data in a second clip file; and

the playlist further includes at least one sub-playitem providing navigation information for reproducing the audio data from the second clip file.

40. (New) The method of claim 33, wherein each still picture unit includes only one still picture.

41. (New) The method of claim 34, wherein

the entry point map includes an entry point associated with each still picture unit;

the duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

at least a number of the entry points each include a presentation time stamp associated with the still picture in the associated still picture unit such that, when the duration information indicates to display a still picture for a finite duration, the finite duration is determinable at least in part from the presentation time stamp in the entry point associated with the still picture and the presentation time stamp in the next entry point.

42. (New) The method of claim 34, wherein

each elementary stream is a packetized elementary stream;

the duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

a number of the packets of the packetized elementary stream of still picture data each include a presentation time stamp such that, when the duration information indicates display of the still picture for a finite duration, the finite duration is determinable using the presentation time stamp in the packet of the still picture and a presentation time stamp in a next packet.

43. (New) The method of claim 34, wherein

the data area stores the presentation data in a first clip file and stores audio data in a second clip file; and

the playlist further includes at least one sub-playitem providing navigation information for reproducing the audio data from the second clip file.

44. (New) The method of claim 34, wherein each still picture unit includes only one still picture.

45. (New) The apparatus of claim 35, wherein the entry point map includes an entry point

associated with each still picture unit.

46. (New) The apparatus of claim 45, wherein

the duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

at least a number of the entry points each include a presentation time stamp associated with the still picture in the associated still picture unit such that, when the duration information indicates to display a still picture for a finite duration, the finite duration is determinable at least in part from the presentation time stamp in the entry point associated with the still picture and the presentation time stamp in the next entry point.

47. (New) The apparatus of claim 35, wherein

each elementary stream is a packetized elementary stream; and

the duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

a number of the packets of the packetized elementary stream of still picture data each include a presentation time stamp such that, when the duration information indicates display of the still picture for a finite duration, the finite duration is determinable using the presentation time stamp in the packet of the still picture and a presentation time stamp in a next packet.

48. (New) The apparatus of claim 35, wherein

the data area stores the presentation data in a first clip file and stores audio data in a second clip file; and

the playlist further includes at least one sub-playitem providing navigation information for reproducing the audio data from the second clip file.

49. (New) The apparatus of claim 35, wherein each still picture unit includes only one still picture.

50. (New) The apparatus of claim 36, wherein the entry point map includes an entry point associated with each still picture unit.

51. (New) The apparatus of claim 50, wherein

the duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

at least a number of the entry points each include a presentation time stamp associated with the still picture in the associated still picture unit such that, when the duration information indicates to display a still picture for a finite duration, the finite duration is determinable at least in part from the presentation time stamp in the entry point associated with the still picture and the presentation time stamp in the next entry point.

52. (New) The apparatus of claim 36, wherein

each elementary stream is a packetized elementary stream; and

the duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

a number of the packets of the packetized elementary stream of still picture data each include a presentation time stamp such that, when the duration information indicates display of the still picture for a finite duration, the finite duration is determinable using the presentation time stamp in the packet of the still picture and a presentation time stamp in a next packet.

53. (New) The apparatus of claim 36, wherein

the data area stores the presentation data in a first clip file and stores audio data in a second clip file; and

the playlist further includes at least one sub-playitem providing navigation information for reproducing the audio data from the second clip file.

54. (New) The apparatus of claim 36, wherein each still picture unit includes only one still picture.

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END OF CLAIM LISTING